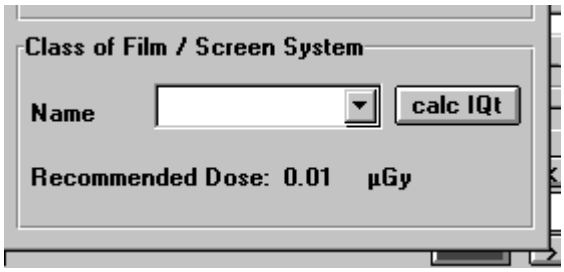
If one gets the error message

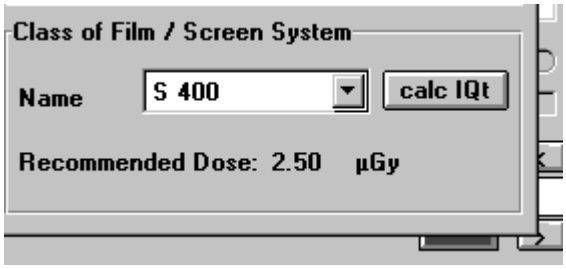
"please enter a number between 2.e-002 and 20.."

when working with APR files which have been downloaded from a release 3 Optimus generator the reason is the following:

During the download the generator sends a dose value of 0.01µGy for all non-AEC APR.



If one wants to modify such an APR the dose value should be within a range of 0.02 and 20µGy.
To change the value just hit the arrow button at the Name field and select any of the offered speed types like



and then the APR data screen can be confirmed with <OK>.

Default data sets coming with the installation disks don't have this problem.

The problem will be solved with Optimus release 3.5 at the end of this year.
The generator will send a default dose value which is within the range.

The dose value does not mean anything for non-AEC techniques, but all data fields of an APR data set screens must be within a specified range.

Another problem can arise if hardware and software settings don't match:
If jumper EZ150 W4 is in position 1 = gain factor 4, but the "Sensitivity = low" programmed with XRGSCOPE the "Dose of FSC" values might increase 20µGy.
In such a case set the jumper to the middle position for a gain of 1 and divide the "Dose of FSC" at all FSC data sets.
One can easily check it with a dose meter as the programmed dose is 4 times higher compared to the measured dose.